BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT JAKKUR IN WARD No. 05

MODIFIED ESTIMATON

Client: Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Banglore-560 060

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To									
Item No.01	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4									
	Footings									
	C1	Cum	1	1.10	1.10	1.95	2.36			
	SSM Excavation	Cum	1	6.33	0.75	0.60	2.85			
		Cum	1	8.20	1.20	0.15	1.48			
	Ret. Wall base	Cum	1	1.27	1.20	1.20	1.83			
						Total Executed Quantity	**8.51**			
						Tender Quantity	**7.17**			
						Quantity Upto 125%	**8.51**	**508.78**	**4330.00**	
Item No.02	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15									
	Footings									
	C1	Cum	1	1.10	1.10	0.20	0.24			
	SSM Excavation	Cum	1	6.33	0.75	0.20	0.95			
	Ret. Wall base	Cum	1	1.27	1.20	0.20	0.30			
						Total Executed Quantity	**1.50**	**2752.39**	**4116.40**	
						Tender Quantity	**1.52**			
Item No.03	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3									
	Footings									
	C1	Cum	1	1.10	1.10	0.15	0.18			
	SSM Excavation	Cum	1	6.33	0.75	0.15	0.71			
		Cum	1	8.20	1.20	0.15	1.48			
	Deduction									
	Mid Landing Wall	Cum	-1	1.20	0.15	0.15	-0.03			
	Ret. Wall base	Cum	1	1.20	1.20	0.15	0.22			
						Total Executed Quantity	**2.56**			
						Tender Quantity	**1.14**			
						Quantity Upto 125%	**1.43**	**5781.26**	**8238.30**	
						Quantity above 125%	**1.13**	**6204.24**	**7029.80**	
Item No.04	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 13 Item No. 4.6									
	Above SSM									
	Along Longer Direction	Cum	1	6.33	0.60	0.15	0.57			
	Plinth Area Concreting	Cum	1	6.33	0.00	0.15	0.00			
		Cum	1	8.20	1.20	0.15	1.48			
	Deduction									
	Mid Landing Wall	Cum	-1	1.20	0.15	0.15	-0.03			
						Total Executed Quantity	**2.02**			
						Tender Quantity	**0.57**			
						Quantity Upto 125%	**0.71**	**6143.86**	**4377.60**	
						Quantity Above 125%	**1.31**	**6707.84**	**8758.80**	
Item No.05	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6									
	SSM Footing									
	Along Longer Direction	Cum	1	6.33	0.60	0.60	2.28			
						Total Executed Quantity	**2.28**	**5207.89**	**11858.40**	
						Tender Quantity	**2.28**			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.06	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10									
	Filling Available of Excavated Earth									
	Earth Work Excavation	Cum					8.51			
	PCC for Footing	Cum					-2.56			
	Filling in foundation with granite / trap broken metal	Cum					-1.50			
	SSM Footing	Cum					-2.28			
	Footing Concrete Quantity	Cum					-1.30			
						Total Executed Quantity	**0.88**			
						Tender Quantity	**1.07**			
						Quantity Upto 125%	**0.88**	**227.76**	**200.00**	
Item No.07	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4									
	Excavated Earth	Cum					8.51			
	Filling Available of Excavated Earth						-0.88			
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00		
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00		
	Average Weight of earth	For2Kms =2x1.28x2						5.12		
						Total Executed Quantity	**7.63**			
						Tender Quantity	**6.10**			
						Quantity Upto 125%	**7.63**	**70.39**	**536.80**	
Item No.08	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28									
	Footings									
	C1	Sqm	1	4.40		0.60	2.64			
	Column up to plinth Beam									
	C1	Sqm	1	1.00		1.05	1.05			
	Ret. Wall base	Sqm	1	4.80		0.40	1.92			
	Wall Stem	Sqm	1	2.40		0.60	1.44			
						Total Executed Quantity	**7.05**	**292.35**	**2061.10**	
						Tender Quantity	**5.94**			
Item No.09	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31									
	Plinth Beam									
	Along Longer Direction	Sqm	2	6.33		0.45	5.69			
						Total Executed Quantity	**5.69**	**405.66**	**2309.30**	
						Tender Quantity	**5.69**			
Item No.10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32									
	Ground Floor									
	Colums	Sqm	1	1.10		2.07	2.28			
	First Floor									
	Colums	Sqm	6	1.80		2.43	26.24			
	Colums to Terrace	Sqm	3	0.85		0.80	2.04			
						Total Executed Quantity	**30.56**	**516.71**	**15791.20**	
						Tender Quantity	**35.52**			
Item No.11	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2									
	First Floor									

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	Centring									
	Slab	Sqm	1	11.70	8.35		97.70			
	Stairs	Sqm	-1	3.80	1.90		-7.22			
						Total Execute Quantity	**90.48**			
						Tender Quantity	**72.78**			
						Quantity Upto 125%	**90.48**	**453.25**	**41008.00**	
Item No.12	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36									
	First Floor									
	Slab	Sqm	1	40.10		0.15	6.02			
						Total Executed Quantity	**6.02**			
						Tender Quantity	**5.40**			
						Quantity Upto 125%	**6.02**	**855.52**	**5146.00**	
Item No.13	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34									
	Ground Floor									
	Beams									
	Longer Direction	Sqm	2	6.70		0.45	6.03			
	Bottom	Sqm	1	6.70	0.20		1.34			
	First Floor									
	Lintels									
	Through lintel	Sqm	4	23.70		0.20	18.96			
		Sqm	2	6.70		0.20	2.68			
		Sqm	2	3.70		0.20	1.48			
	Cut Lintel	Sqm	2	1.20		0.20	0.48			
	Beams									
	Longer Direction	Cum	4	10.23		0.45	18.41			
	Shorter Direction	Cum	6	8.30		0.45	22.41			
	Bottom									
	Longer Direction	Sqm	2	10.23	0.20		4.09			
	Shorter Direction	Sqm	3	8.30	0.20		4.98			
						Total Executed Quantity	**80.87**			
						Tender Quantity	**73.61**			
						Quantity Upto 125%	**80.87**	**330.80**	**26750.50**	
Item No.14	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38									
	Ground Floor									
	Staircase									
	Waist slab	Sqm	2	3.54	1.10		7.79			
	Waist slab Sides	Sqm	4	3.54	0.17		2.39			
	First flite Landing	Sqm	1	1.10	0.74		0.81			
	Landing Side	Sqm	1	2.58		0.15	0.39			
	Top Landing	Sqm	1	1.10		0.15	0.17			
	Top Landing side	Sqm	1	3.34		0.15	0.50			
	Riser	Sqm	20	1.10		0.02	0.41			
	Stairs Beam	Sqm	1	1.10		1.05	1.16			
	First Floor									
	Waist slab	Sqm	2	3.12	0.90		5.62			
	Waist slab Sides	Sqm	4	3.12	0.17		2.11			
	First flite Landing	Sqm	1	1.90	0.93		1.77			
	Landing Side	Sqm	2	3.76		0.15	1.13			
	Riser	Sqm	19	0.90		0.02	0.32			
	Stairs Beam	Sqm	1	1.90		0.61	1.16			
						Total Executed Quantity	**25.71**	**589.23**	**15148.30**	
						Tender Quantity	**43.73**			
Item No.15	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37									
	First Floor									
	Chajja									

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	Front	Sqm	12	1.20	0.55		7.92			
	Sides	Sqm	24	3.50		0.10	8.40			
						Total Executed Quantity	**16.32**			
						Tender Quantity	**15.18**			
						Quantity Upto 125%	**16.32**	**366.00**	**5973.20**	
Item No.16	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10									
	Footings									
	C1	Cum	1	1.10	1.10	0.60	0.73			
	Plinth Beam									
	Along Longer Direction	Cum	1	6.33	0.20	0.45	0.57			
	Column up to plinth Beam									
	C1	Cum	1	0.20	0.30	1.05	0.06			
	Ret. Wall base	Cum	1	1.20	1.20	0.40	0.58			
	Ret. Wall Stem	Cum	1	1.00	0.20	0.60	0.12			
						Total Executed Quantity	**2.05**	**6585.79**	**13528.90**	
						Tender Quantity	**1.85**			
Item No.17	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12									
	Ground Floor									
	Colums	Cum	1	0.40	0.15	2.07	0.12			
	Staircase									
	Waist slab	Cum	2	3.54	1.10	0.10	0.78			
	First flite Landing	Cum	1	1.10	0.74	0.15	0.12			
	Top Landing	Cum	1	1.10	1.12	0.15	0.18			
	Steps	Cum	20	1.10		0.02	0.41			
			Triangular area 0.5*.15*.25=0.01875							
	Stairs Beam	Cum	1	1.10	0.15	0.45	0.07			
	Staircase Wall	Cum	1	1.07	0.15	1.45	0.23			
						Total Executed Quantity	**1.93**	**6849.81**	**13215.90**	
						Tender Quantity	**2.30**			
Item No. 18	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12									
	First Floor									
	Colum	Cum	6	0.45	0.45	2.43	2.95			
	Column to terrace	Cum	3	0.30	0.13	0.80	0.09			
	Lintels									
	Through lintel	Cum	2	23.70	0.20	0.20	1.90			
		Cum	1	6.70	0.20	0.20	0.27			
		Cum	1	3.70	0.20	0.20	0.15			
	Cut Lintel	Cum	1	1.20	0.20	0.20	0.05			
	Staircase									
	Waist slab	Cum	1	3.12	0.90	0.10	0.28			
			1	3.36	0.90	0.10	0.30			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	First flite Landing	Cum	1	1.90	0.93	0.15	0.27			
	Steps	Cum	19	0.90		0.02	0.32			
			Triangular area 0.5*.15*.25=0.01875							
	Stairs Beam	Cum	1	1.90	0.15	0.23	0.07			
						Total Executed Quantity	6.64	6917.80	45912.60	
						Tender Quantity	9.59			
Item No.19	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2									
	Ground Floor									
	Beams									
	B(200X600)									
	Longer Direction	Cum	1	6.70	0.20	0.45	0.60			
	At Stairs									
	Slab	Cum	1	2.80	1.90	0.15	0.80			
	First Floor									
	Beams									
	B(200X600)									
	Longer Direction	Cum	2	10.23	0.20	0.45	1.84			
	Shorter Direction	Cum	3	8.30	0.20	0.45	2.24			
	Slab	Cum	1	11.70	8.35	0.15	14.65			
	Deduction	Cum	-1	3.90	1.90	0.15	-1.11			
						Total Executed Quantity	19.03			
						Tender Quantity	18.23			
						Quantity Upto 125%	19.03	6228.85	118511.10	
Item No.20	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20									
	First Floor									
	Chajja	Sqm	12	1.20	0.55		7.92			
						Total Executed Quantity	7.92	567.70	4496.20	
						Tender Quantity	9.00			
Item No.21	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2									
	Ground Floor									
	Footing	Cum	Concrete Quantity				0.73			
		kg	Steel assumed 100 Kg/Cum of Concrete				72.60			
		tonne					**0.07**			
	Column	Cum	Concrete Quantity				0.19			
		kg	Steel assumed 125 Kg/Cum of Concrete				23.40			
		tonne					**0.02**			
	Plinth beam	Cum	Concrete Quantity				0.57			
		kg	Steel assumed 120 Kg/Cum of Concrete				68.31			
		tonne					**0.07**			
	Staircase	Cum	Concrete Quantity				1.39			
		kg	Steel assumed 125 Kg/Cum of Concrete				166.52			
		tonne					**0.17**			
	Beam	Cum	Concrete Quantity				0.60			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		kg	Steel assumed 125 Kg/Cum of Concrete				75.38			
		tonne					**0.08**			
	Roof Slab	Cum	Concrete Quantity				0.80			
		kg	Steel assumed 125 Kg/Cum of Concrete				99.75			
		tonne					**0.10**			
	Staircase wall									
	Ret. Wall base	Cum	Concrete Quantity				0.58			
		kg	Steel assumed 100 Kg/Cum of Concrete				57.60			
		tonne					**0.06**			
	Ret. Wall Stem	Cum	Concrete Quantity				0.35			
		kg	Steel assumed 120 Kg/Cum of Concrete				31.75			
		tonne					**0.03**			
						Total Executed Quantity	**0.60**	**72985.29**	**43642.30**	
						Tender Quantity	**0.69**			
Item No.22	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2									
	First Floor									
	Column	Cum	Concrete Quantity				3.04			
		kg	Steel assumed 125 Kg/Cum of Concrete				371.18			
		tonne					**0.37**			
	Staircase	Cum	Concrete Quantity				1.23			
		kg	Steel assumed 125 Kg/Cum of Concrete				154.30			
		tonne					**0.15**			
	Lintel	Cum	Concrete Quantity				2.36			
		kg	Steel assumed 100 Kg/Cum of Concrete				200.60			
		tonne					**0.20**			
	Beam	Cum	Concrete Quantity				4.08			
		kg	Steel assumed 125 Kg/Cum of Concrete				510.30			
		tonne					**0.51**			
	Roof Slab	Cum	Concrete Quantity				13.54			
		kg	Steel assumed 125 Kg/Cum of Concrete				1665.76			
		tonne					**1.67**			
	Chajja	Cum	Concrete Quantity				0.79			
		kg	Steel assumed 100 Kg/Cum of Concrete				67.32			
		tonne					**0.07**			
						Total Executed Quantity	**2.98**	**73832.88**	**219706.90**	
						Tender Quantity	**3.62**			
Item No.23	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1									
	Ground Floor									
	Staircase wall	Sqm	1	1.07		1.45	1.55			
		Sqm	1	0.80		3.03	2.42			
	First Floor									
	Longer Side	Sqm	2	8.15		2.58	42.05			
		Sqm	1	13.95		3.65	50.92			
		Sqm	1	13.95		3.30	46.04			
	Shorter side	Sqm	3	5.50		2.58	42.57			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Sqm	1	5.55		2.58	14.32			
		Sqm	1	3.70		2.58	9.55			
	Staircase wall	Sqm	1	4.35		1.90	8.27			
	Deduction									
	D	Sqm	-2	1.01		2.10	-4.22			
	D1	Sqm	-1	0.90		2.10	-1.89			
	D3	Sqm	-1	1.07		2.10	-2.25			
	W	Sqm	-2	1.50		1.20	-3.60			
	W1	Sqm	-1	1.20		1.20	-1.44			
	W2	Sqm	-10	0.90		1.20	-10.80			
	W3	Sqm	-1	0.90		1.00	-0.90			
						Total Executed Quantity	**192.58**			
						Tender Quantity	**121.68**			
						Quantity Upto 125%	**152.10**	**1073.08**	**163215.50**	
						Quantity Above 125%	**40.48**	**1067.41**	**43213.20**	
Item No.24	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28									
	First Floor									
	Corridor Wall	Sqm	1	7.90		0.90	7.11			
		Sqm	1	3.30		0.90	2.97			
	Toilet	Sqm	1	1.80		2.58	4.64			
		Sqm	1	1.50		2.58	3.87			
	Kitchen	Sqm	1	0.60		0.70	0.42			
		Sqm	1	0.60		0.90	0.54			
	Deduction									
	V	Sqm	-1	0.60		0.40	-0.24			
						Total Executed Quantity	**19.31**			
						Tender Quantity	**10.08**			
						Quantity Upto 125%	**12.60**	**958.63**	**12078.80**	
						Quantity Above 125%	**6.71**	**952.97**	**6398.30**	
Item No.25	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28									
	Second Floor									
	Parapet Wall									
	East	Sqm	1	11.56		0.80	9.25			
	West	Sqm	1	6.48		0.80	5.18			
	North	Sqm	1	0.85		0.80	0.68			
	South	Sqm	1	1.10		0.80	0.88			
		Sqm	1	1.94		0.85	1.65			
	Tank Holder	Sqm	2	1.83		1.30	4.76			
						Total Executed Quantity	**22.40**	**998.29**	**22360.70**	
						Tender Quantity	**29.20**			
Item No.26	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16									
	External Plastering									
	First Floor									
	Longer Side	Sqm	2	8.15		3.00	48.90			
		Sqm	1	13.95		3.00	41.85			
		Sqm	1	13.95		3.00	41.85			
	Shorter side	Sqm	3	5.50		2.58	42.57			
		Sqm	1	3.70		2.58	9.55			
		Sqm	1	4.35		1.90	8.27			
	Corridor Wall	Sqm	2	7.90		0.90	14.22			
		Sqm	2	3.30		0.90	5.94			
	Deduction									
	D	Sqm	-1	1.01		2.10	-2.11			
	D3	Sqm	-1	1.07		2.10	-2.25			
	W	Sqm	-2	1.50		1.20	-3.60			
	W1	Sqm	-1	1.20		1.20	-1.44			
	W2	Sqm	-10	0.90		1.20	-10.80			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	W3	Sqm	-1	0.90		1.00	-0.90			
	V	Sqm	-1	0.60		0.40	-0.24			
						Total Executed Quantity	**191.80**			
						Tender Quantity	**172.80**			
						Quantity Upto 125%	**191.80**	**309.35**	**59334.50**	
Item No.27	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16									
	Second Floor									
	Parapet Wall									
	East	Sqm	2	11.56		0.80	18.50			
	West	Sqm	2	6.48		0.80	10.37			
	North	Sqm	2	0.85		0.80	1.36			
	South	Sqm	2	1.10		0.80	1.76			
		Sqm	2	1.94		0.85	3.30			
	Tank Holder	Sqm	4	1.83		1.30	9.52			
						Total Executed Quantity	**44.80**	**322.94**	**14467.10**	
						Tender Quantity	**58.40**			
Item No.28	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10									
	Internal Plastering									
	First Floor									
	Hall	Sqm	4	3.70		2.85	42.18			
		Sqm	4	6.40		2.85	72.96			
	Toilet	Sqm	2	1.80		2.58	9.29			
		Sqm	2	1.50		2.58	7.74			
	Below Truss Hall	Sqm	2	15.30		2.85	87.21			
		Sqm	2	6.30		2.85	35.91			
	Deduction									
	D	Sqm	-2	1.01		2.10	-4.22			
	D1	Sqm	-1	0.90		2.10	-1.89			
	D2	Sqm	-1	0.60		0.40	-0.24			
	D3	Sqm	-1	1.07		2.10	-2.25			
	W	Sqm	-2	1.50		1.20	-3.60			
	W1	Sqm	-1	1.20		1.20	-1.44			
	W2	Sqm	-10	0.90		1.20	-10.80			
	W3	Sqm	-1	0.90		1.00	-0.90			
	V	Sqm	-1	0.60		0.40	-0.24			
						Total Executed Quantity	**229.71**			
						Tender Quantity	**165.43**			
						Quantity Upto 125%	**206.79**	**237.96**	**49207.20**	
						Quantity Above 125%	**22.92**	**236.83**	**5428.70**	
Item No.29	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22									
	First Floor									
	Ceiling									
	Slab	Sqm	1	11.70	8.35		97.70			
	Deduction	Sqm	-1	3.90	1.90		-7.41			
						Total Executed Quantity	**90.29**			
						Tender Quantity	**80.00**			
						Quantity Upto 125%	**90.29**	**261.75**	**23632.10**	
Item No.30	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106									
	For Internal plastered portions									
	First Floor									
	Hall	Sqm	4	3.70		2.85	42.18			
		Sqm	4	6.40		2.85	72.96			
	Toilet	Sqm	2	1.80		2.58	9.29			
		Sqm	2	1.50		2.58	7.74			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	Below Truss Hall	Sqm	2	15.30		2.85	87.21			
		Sqm	2	6.30		2.85	35.91			
	Deduction									
	D	Sqm	-2	1.01		2.10	-4.22			
	D1	Sqm	-1	0.90		2.10	-1.89			
	D2	Sqm	-1	0.60		0.40	-0.24			
	D3	Sqm	-1	1.07		2.10	-2.25			
	W	Sqm	-2	1.50		1.20	-3.60			
	W1	Sqm	-1	1.20		1.20	-1.44			
	W2	Sqm	-10	0.90		1.20	-10.80			
	W3	Sqm	-1	0.90		1.00	-0.90			
	V	Sqm	-1	0.60		0.40	-0.24			
	Ceiling									
	Slab	Sqm	1	11.70	8.35		97.70			
	Deduction	Sqm	-1	3.90	1.90		-7.41			
						Total Executed Quantity	**320.00**			
						Tender Quantity	**245.43**			
						Quantity Upto 125%	**306.79**	**88.38**	**27113.90**	
						Quantity Above 125%	**13.21**	**88.38**	**1167.40**	
Item No.31	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2									
	Internal painting									
	First Floor									
	Hall	Sqm	4	3.70		2.85	42.18			
		Sqm	4	6.40		2.85	72.96			
	Toilet	Sqm	2	1.80		2.58	9.29			
		Sqm	2	1.50		2.58	7.74			
	Below Truss Hall	Sqm	2	15.30		2.85	87.21			
		Sqm	2	6.30		2.85	35.91			
	Deduction									
	D	Sqm	-2	1.01		2.10	-4.22			
	D1	Sqm	-1	0.90		2.10	-1.89			
	D2	Sqm	-1	0.60		0.40	-0.24			
	D3	Sqm	-1	1.07		2.10	-2.25			
	W	Sqm	-2	1.50		1.20	-3.60			
	W1	Sqm	-1	1.20		1.20	-1.44			
	W2	Sqm	-10	0.90		1.20	-10.80			
	W3	Sqm	-1	0.90		1.00	-0.90			
	V	Sqm	-1	0.60		0.40	-0.24			
						Total Executed Quantity	**229.71**			
						Tender Quantity	**165.43**			
						Quantity Upto 125%	**206.79**	**101.98**	**21088.20**	
						Quantity Above 125%	**22.92**	**101.98**	**2337.70**	
Item No.32	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2									
	Slab	Sqm	1	11.70	8.35		97.70			
	Deduction	Sqm	-1	3.90	1.90		-7.41			
						Total Executed Quantity	**90.29**			
						Tender Quantity	**80.00**			
						Quantity Upto 125%	**90.29**	**133.71**	**12072.10**	
Item No.33	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (page no127, item no.15.103)									
	External painting									
	Longer Side	Sqm	2	8.15		3.00	48.90			
		Sqm	1	13.95		3.00	41.85			
		Sqm	1	13.95		3.00	41.85			
	Shorter side	Sqm	3	5.50		2.58	42.57			
		Sqm	1	3.70		2.58	9.55			
		Sqm	1	4.35		1.90	8.27			
	Corridor Wall	Sqm	2	7.90		0.90	14.22			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Sqm	2	3.30		0.90	5.94			
	Deduction									
	D	Sqm	-1	1.01		2.10	-2.11			
	D3	Sqm	-1	1.07		2.10	-2.25			
	W	Sqm	-2	1.50		1.20	-3.60			
	W1	Sqm	-1	1.20		1.20	-1.44			
	W2	Sqm	-10	0.90		1.20	-10.80			
	W3	Sqm	-1	0.90		1.00	-0.90			
	V	Sqm	-1	0.60		0.40	-0.24			
	Chajja	Sqm	12	1.20	0.55		7.92			
						Total Executed Quantity	**199.72**			
						Tender Quantity	**181.80**			
						Quantity Upto 125%	**199.72**	**394.33**	**78757.00**	
Item No.34	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (page no127, item no.15.103)									
	Second Floor									
	Parapet Wall									
	East	Sqm	2	11.56		0.80	18.50			
	West	Sqm	2	6.48		0.80	10.37			
	North	Sqm	2	0.85		0.80	1.36			
	South	Sqm	2	1.10		0.80	1.76			
		Sqm	2	1.94		0.85	3.30			
	Tank Holder	Sqm	4	1.83		1.30	9.52			
	Chajja	Sqm	12	1.20	0.55		7.92			
						Total Executed Quantity	**52.72**	**403.40**	**21266.50**	
						Tender Quantity	**58.40**			
Item No.35	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg No 110,Item No14.51									
	Ground Floor									
	Landing	Sqm	1	1.10	0.74		0.81			
	Top Landing	Sqm	1	1.10	1.12		1.23			
	Treads	Sqm	20	1.10	0.25		5.50			
	Rise	Sqm	22	1.10		0.15	3.63			
	Existing Staircase									
	Landing	Sqm	1	1.80	1.10		1.98			
	Treads	Sqm	18	0.83	0.25		3.73			
	Rise	Sqm	20	0.83		0.15	2.49			
						Total Executed Quantity	**19.37**	**5049.25**	**97804.00**	
						Tender Quantity	**43.41**			
Item No.36	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg No 110,Item No14.51									
	First Floor									
	Landing	Sqm	1	1.90	0.93		1.76			
	Treads	Sqm	19	1.10	0.25		5.22			
	Rise	Sqm	21	1.10		0.15	3.46			
	Corridor	Sqm	1	1.05	8.10		8.50			
		Sqm	1	1.80	4.10		7.38			
	Skriting	Sqm	1	24.60		0.10	2.46			
	Toilet Wall Cladding	Sqm	1	1.79		2.51	4.49			
		Sqm	1	1.75		2.51	4.39			
		Sqm	2	1.35		2.51	6.77			
	Deduction									
	V	Sqm	1	0.58		0.40	0.23			
	D3	Sqm	1	0.75		1.90	1.42			
						Total Executed Quantity	**46.08**	**5051.52**	**232774.10**	
						Tender Quantity	**86.82**			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.37	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13									
	First Floor									
	Ceiling									
	Hall	Sqm	1	6.40	4.00		25.60			
		Sqm	1	4.00	3.70		14.80			
	Kitchen	Sqm	1	3.70	2.25		8.32			
	Toilet opposite	Sqm	1	7.75	1.50		11.62			
	Hall Below Truss	Sqm	1	13.80	6.45		89.01			
	Toilet flooring	Sqm	1	1.35	1.74		2.34			
		Sqm	1	0.75	0.18		0.13			
						Total Executed Quantity	**151.82**	**717.28**	**108897.50**	
						Tender Quantity	**176.39**			
Item No.38	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.Pg No 112,Item No 14.61.2									
	Flooring									
	First Floor									
	Hall	Sqm	1	6.40	4.00		25.60			
		Sqm	1	4.00	3.70		14.80			
	Kitchen	Sqm	1	3.70	2.25		8.32			
	Toilet opposite	Sqm	1	7.75	1.50		11.62			
	Hall Below Truss	Sqm	1	13.80	6.45		89.01			
	Toilet flooring	Sqm	1	1.35	1.74		2.34			
		Sqm	1	0.75	0.18		0.13			
	Staircase									
	Treads	Sqm	19	0.25		0.15	0.71			
	Rise	Sqm	21	0.15		0.15	0.47			
						Total Executed Quantity	**153.00**	**2244.74**	**343445.30**	
						Tender Quantity	**179.00**			
Item No.39	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No. 68, I.No. 10.2 of PWD SR 2018-19)									
	Slab	Cum	1	11.70	8.35		97.70			
	Deduction	Cum	-1	3.90	1.90		-7.41			
						Total Executed Quantity	**90.29**			
						Tender Quantity	**72.59**			
						Quantity Upto 125%	**90.29**	**1126.34**	**101691.70**	
Item No.40	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80									
	First Floor									
	D	Nos	2				2.00			
	D1	Nos	1				1.00			
	D3	Nos	1				1.00			
						Total Executed Quantity	**4.00**			
						Tender Quantity	**3.00**			
						Quantity Upto 125%	**4.00**	**1547.86**	**6191.50**	

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.41	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11									
	First Floor									
	D	Cum	2	6.21	0.15	0.13	0.23			
	D1	Cum	1	6.00	0.15	0.13	0.11			
	D3	Cum	1	6.34	0.15	0.13	0.12			
						Total Executed Quantity	**0.46**			
						Tender Quantity	**0.37**			
						Quantity Upto 125%	**0.46**	**99267.25**	**45911.20**	
Item No.42	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15									
	First Floor									
	D	Sqm	3	1.01		2.10	6.33			
	D1	Sqm	1	0.90		2.10	1.89			
	D3	Sqm	1	1.07		2.10	2.25			
						Total executed Quantity	**10.47**			
						Tender Quantity	**7.56**			
						Quantity Upto 125%	**9.45**	**5355.20**	**50606.70**	
						Quantity Above 125%	**1.02**	**5354.07**	**5453.20**	
Item No.43	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1									
	First Floor									
	D	Sqm	2	6.21	0.15		1.86			
	D1	Sqm	4	6.21	0.13		3.11			
	D3	Sqm	8	6.21	0.13		6.21			
						Total Executed Quantity	**11.18**			
						Tender Quantity	**7.92**			
						Quantity Upto 125%	**9.90**	**109.90**	**1088.10**	
						Quantity Above 125%	**1.28**	**109.91**	**140.50**	
Item No.44	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.35 Item No.7.11.2									
	First floor									
	W	Sqm	2	1.50		1.20	3.60			
	W1	Sqm	1	1.20		1.20	1.44			
	W2	Sqm	10	0.90		1.20	10.80			
	W3	Sqm	1	0.90		1.00	0.90			
						Total Executed Quantity	**16.74**	**5032.26**	**84240.10**	
						Tender Quantity	**19.80**			
Item No.45	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9									
	First Floor									
	W	kg	2			37.80	75.60			
	W1	kg	1			30.24	30.24			
	W2	kg	10			22.68	226.80			
	W3	kg	1			18.90	18.90			
				21kg per sqm 1.5*1.2*21=37.8						
						Total Executed Quantity	**351.54**	**8.48**	**2981.10**	
						Tender Quantity	**415.80**			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.46	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specificatrons. Pg no:123.Item no:15.74									
	For window and ventilators	sqm	1	window qty+ventilator qty			16.74			
	Painting for Grill Works	Sqm		window qty			16.74			
						Total Executed Quantity	**33.48**	**107.65**	**3604.20**	
						Tender Quantity	**39.60**			
Item No.47	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305									
	At Stairs and entry	cum	1	6.30	1.80	0.30	3.40			
						Total Executed Quantity	**3.40**	**368.27**	**1253.00**	
						Tender Quantity	**3.40**			
Item No.48	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38									
	Ground Floor									
	Railing @ 1st Flite & 2 nd Flite	Sqm	2	3.54		0.80	5.66			
	At landing	Sqm	1	0.74		0.80	0.59			
	Top Landing	Sqm	1	1.12		0.80	0.90			
						Total Executed Quantity	**7.15**	**6822.61**	**48795.40**	
						Tender Quantity	**15.21**			
Item No. 49	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38									
	First Floor									
	Railing @ 1st Flite & 2 nd Flite	Sqm	3	3.36		0.80	8.06			
	At landing	Sqm	1	0.93		0.80	0.74			
	Parapet Wall	Sqm	1	4.10		0.80	3.28			
						Total Executed Quantity	**12.09**	**6829.41**	**82554.00**	
						Tender Quantity	**30.42**			
Item No.50	Pg No 43,Item No 7.29 Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification									
	Ground floor TRUSS	kg	QUANTITY OF STEEL ASSUMED				653.23			
	First floor TRUSS	kg	QUANTITY OF STEEL ASSUMED				5502.82			
						Total Executed Quantity	**6156.05**			
						Tender Quantity	**3784.27**			
						Quantity Upto 125%	**4730.34**	**125.78**	**594981.90**	
						Quantity Above 125%	**1425.71**	**125.78**	**179323.30**	

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.51	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.Pg No.299 Item No.38.30									
	Ground Floor	Sqm	1	14.40	7.00		100.80			
	First Floor	Sqm	1	8.20	4.20		34.44			
						Total Executed Quantity	**135.24**			
						Tender Quantity	**117.25**			
						Quantity Upto 125%	**135.24**	**779.60**	**105433.20**	
Item No.52	Pg No 123,Item No 15.73 KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications page no 123 item no.15.73									
	Truss									
	Ground Floor	Sqm	1	14.40	7.00		100.80			
	First Floor	Sqm	1	8.20	4.20		34.44			
						Total Executed Quantity	**135.24**			
						Tender Quantity	**117.25**			
						Quantity Upto 125%	**135.24**	**46.46**	**6284.00**	
Item No.53	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 -550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses.Pg No.301,Item No.38.31									
	For Gutter	Sqm	1	8.20	0.90		7.38			
	Down Take pipe	Sqm	4	14.20	0.60		34.08			
						Total Executed Quantity	**41.46**	**747.87**	**31006.70**	
						Tender Quantity	**45.99**			
Item No.54	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet. Short point upto 3m									
		Point	7				7.00			
						Total Executed Quantity	**7.00**	**209.84**	**1468.90**	
						Tender Quantity	**7.00**			
Item No.55	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet. Medium point above 3m - 6m									
		Point	8				8.00			
						Total Executed Quantity	**8.00**	**288.53**	**2308.30**	
						Tender Quantity	**8.00**			
Item No.56	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary 19/20mm dia, 2mm thick									
		Mtr	50.00				50.00			
						Total Executed Quantity	**50.00**	**41.97**	**2098.50**	
						Tender Quantity	**50.00**			
Item No.57	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary 25mm dia, 2mm thick									
		Mtr	30.00				30.00			
						Total Executed Quantity	**30.00**	**55.61**	**1668.30**	
						Tender Quantity	**30.00**			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.58	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 25 mm dia, 2mm thick									
		Mtr	50.00				50.00			
	Total Executed Quantity						**50.00**	**68.20**	**3410.00**	
	Tender Quantity						**50.00**			
Item No.59	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.19/20mm dia, 2mm thick									
		Mtr	60.00				60.00			
	Total Executed Quantity						**60.00**	**53.51**	**3210.60**	
	Tender Quantity						**60.00**			
Item No.60	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 25mm dia, 2mm thick									
		Mtr	80.00				80.00			
	Total Executed Quantity						**80.00**	**56.66**	**4532.80**	
	Tender Quantity						**80.00**			
Item No.61	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall 1 - 3 Way									
		Each	6.00				6.00			
	Total Executed Quantity						**6.00**	**99.67**	**598.10**	
	Tender Quantity						**6.00**			
Item No.62	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall 4 - 5 Way									
		Each	4.00				4.00			
	Total Executed Quantity						**4.00**	**110.17**	**440.70**	
	Tender Quantity						**4.00**			
Item No.63	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 . 6AMP 3/5 and Switch									
		Each	1.00				1.00			
	Total Executed Quantity						**1.00**	**138.49**	**138.50**	
	Tender Quantity						**1.00**			
Item No.64	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293									
		Each	4.00				4.00			
	Total Executed Quantity						**4.00**	**157.38**	**629.60**	
	Tender Quantity						**4.00**			
Item No.65	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 16Amps Combined switch and socket with indication									
		No	1.00				1.00			
	Total Executed Quantity						**1.00**	**203.54**	**203.60**	
	Tender Quantity						**1.00**			
Item No.66	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Electronic stepped regulator.									
		No	6.00				6.00			
	Total Executed Quantity						**6.00**	**157.38**	**944.30**	
	Tender Quantity						**6.00**			
Item No.67	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 2.5sqmm									
		Mtr	150.00				150.00			
	Total Executed Quantity						**150.00**	**33.57**	**5035.50**	
	Tender Quantity						**150.00**			

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.68	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 4sqmm									
		Mtr	120.00				120.00			
						Total Executed Quantity	120.00	47.21	5665.20	
						Tender Quantity	120.00			
Item No.69	Supplying and fixing Metal Fan Box with Round Hook									
		Nos	6.00				6.00			
						Total Executed Quantity	6.00	89.18	535.10	
						Tender Quantity	6.00			
Item No.70	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute 12 way SP & N									
		Nos	6.00				6.00			
						Total Executed Quantity	6.00	1269.53	7617.20	
						Tender Quantity	6.00			
Item No.71	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired									
		Each	1.00				1.00			
						Total Executed Quantity	1.00	3963.88	3963.90	
						Tender Quantity	1.00			
Item No.72	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x4'- 20/22 w									
		Each	25.00				25.00			
						Total Executed Quantity	25.00	393.45	9836.30	
						Tender Quantity	25.00			
Item No.73	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm)									
		Each	6.00				6.00			
						Total Executed Quantity	6.00	2192.83	13157.00	
						Tender Quantity	6.00			
E1	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No. 63, Item No. 9.95									
	First Floor									
	D2	Cum	1	5.70	0.15	0.13	0.11			
						Total Executed Quantity	0.11	509.9	54.50	
E2	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16									
	External Plastering									
	Staircase wall	Sqm	1	2.44		1.45	3.54			
						Total Executed Quantity	3.54	295.75	1046.40	
E3	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2									
	Painting									
	Staircase wall	Sqm	1	2.44		1.45	3.54			
						Total Executed Quantity	3.54	101.98	360.90	

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Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
F4	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification PgNo. 110, I.No. 14.44									
	Ground Floor	Sqm	1	7.90	6.40		50.56			
		Sqm	1	15.20	6.40		97.28			
						Total Executed Quantity	147.84	1172.80	173386.20	
								Total Amount	3562557.60	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Technical Sanction
Accorded For Rs 3562557.60
Head of A/C P.3572
CER NO : 81 Dt: 03.02.2022

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